

GenCore version 5.1.6  
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## OM protein - protein search, using sw model

Run on: June 9, 2003, 12:34:22 ; Search time 117.532 Seconds

(Without alignments)  
131.654 Million cell updates/sec

Title: US-09-785-058-10

Perfect score: 130  
Sequence: 1 RRMVRRVRRVRRVRRVRRVRR 24Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 4569144 seqs, 644733110 residues

Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0  
Maximum DB seq length: 200000000Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

## Database :

Pending Patents\_AA\_Main.\*  
1: /cgn2\_6/prodata/1/paa/PCTUS\_COMB.pep.\*  
2: /cgn2\_6/prodata/1/paa/US06\_COMB.pep.\*  
3: /cgn2\_6/prodata/1/paa/US07\_COMB.pep.\*  
4: /cgn2\_6/prodata/1/paa/US08\_COMB.pep.\*  
5: /cgn2\_6/prodata/1/paa/US081\_COMB.pep.\*  
6: /cgn2\_6/prodata/1/paa/US082\_COMB.pep.\*  
7: /cgn2\_6/prodata/1/paa/US083\_COMB.pep.\*  
8: /cgn2\_6/prodata/1/paa/US084\_COMB.pep.\*  
9: /cgn2\_6/prodata/1/paa/US085\_COMB.pep.\*  
10: /cgn2\_6/prodata/1/paa/US086\_COMB.pep.\*  
11: /cgn2\_6/prodata/1/paa/US087\_COMB.pep.\*  
12: /cgn2\_6/prodata/1/paa/US088\_COMB.pep.\*  
13: /cgn2\_6/prodata/1/paa/US089\_COMB.pep.\*  
14: /cgn2\_6/prodata/1/paa/US090\_COMB.pep.\*  
15: /cgn2\_6/prodata/1/paa/US091\_COMB.pep.\*  
16: /cgn2\_6/prodata/1/paa/US092\_COMB.pep.\*  
17: /cgn2\_6/prodata/1/paa/US093\_COMB.pep.\*  
18: /cgn2\_6/prodata/1/paa/US094\_COMB.pep.\*  
19: /cgn2\_6/prodata/1/paa/US095\_COMB.pep.\*  
20: /cgn2\_6/prodata/1/paa/US096\_COMB.pep.\*  
21: /cgn2\_6/prodata/1/paa/US097\_COMB.pep.\*  
22: /cgn2\_6/prodata/1/paa/US098\_COMB.pep.\*  
23: /cgn2\_6/prodata/1/paa/US099\_COMB.pep.\*  
24: /cgn2\_6/prodata/1/paa/US100\_COMB.pep.\*  
25: /cgn2\_6/prodata/1/paa/US101\_COMB.pep.\*  
26: /cgn2\_6/prodata/1/paa/US102\_COMB.pep.\*  
27: /cgn2\_6/prodata/1/paa/US60\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	130	100.0	24	1	PCT-US02-04432-10
2	130	100.0	24	1	PCT-US02-04812-10
3	130	100.0	24	21	US-09-785-058-10
4	130	100.0	24	21	US-09-785-058-10
5	130	100.0	24	24	US-10-079-075-10
6	130	100.0	36	1	PCT-US02-04432-11

7	130	100.0	36	1	PCT-US02-04812-11	Sequence 11, Appl
8	130	100.0	36	21	US-09-785-058-11	Sequence 11, Appl
9	130	100.0	36	21	US-09-785-058-11	Sequence 11, Appl
10	130	100.0	36	24	US-10-079-075-11	Sequence 11, Appl
11	130	100.0	48	1	PCT-US02-04432-12	Sequence 12, Appl
12	130	100.0	48	1	PCT-US02-04812-12	Sequence 12, Appl
13	130	100.0	48	21	US-09-785-058-12	Sequence 12, Appl
14	130	100.0	48	21	US-09-785-058-12	Sequence 12, Appl
15	130	100.0	48	24	US-10-079-075-12	Sequence 12, Appl
16	67.7	24	21	1	PCT-US02-04432-5	Sequence 5, Appl
17	67.7	24	21	1	PCT-US02-04812-5	Sequence 5, Appl
18	67.7	24	21	21	US-09-785-058-5	Sequence 5, Appl
19	67.7	24	21	21	US-09-785-058-5	Sequence 5, Appl
20	67.7	24	24	24	US-10-079-075-5	Sequence 5, Appl
21	67.7	36	1	1	PCT-US02-04432-6	Sequence 6, Appl
22	67.7	36	1	1	PCT-US02-04812-6	Sequence 6, Appl
23	67.7	36	21	21	US-09-785-058-6	Sequence 6, Appl
24	67.7	36	21	24	US-10-079-075-6	Sequence 6, Appl
25	67.7	42	1	1	PCT-US02-04432-7	Sequence 7, Appl
26	67.7	42	1	1	PCT-US02-04812-7	Sequence 7, Appl
27	67.7	42	21	21	US-09-785-058-7	Sequence 7, Appl
28	67.7	42	21	21	US-09-785-058-7	Sequence 7, Appl
29	67.7	42	24	24	US-10-079-075-7	Sequence 7, Appl
30	67.7	48	1	1	PCT-US02-04432-8	Sequence 8, Appl
31	67.7	48	1	1	PCT-US02-04812-8	Sequence 8, Appl
32	67.7	48	21	21	US-09-785-058-8	Sequence 8, Appl
33	67.7	48	21	24	US-10-079-075-8	Sequence 8, Appl
34	67.7	48	24	24	US-10-079-075-8	Sequence 8, Appl
35	67.7	31	1	1	PCT-US02-04432-3	Sequence 3, Appl
36	67.7	31	1	1	PCT-US02-04812-3	Sequence 3, Appl
37	67.7	31	21	21	US-09-785-058-3	Sequence 3, Appl
38	67.7	31	21	21	US-09-785-058-3	Sequence 3, Appl
39	67.7	31	24	24	US-10-079-075-3	Sequence 3, Appl
40	60.0	133	20	20	US-09-614-150-10746	Sequence 10746, A
41	60.0	133	27	27	US-60-191-631-10778	Sequence 10778, A
42	60.0	133	27	27	US-60-191-681-8450	Sequence 8450, Ap
43	62	460	1	1	PCT-US01-08655-9621	Sequence 9621, Ap
44	47.7	12	1	1	PCT-US02-04432-9	Sequence 9, Appl
45	46.9					

## ALIGNMENTS

RESULT 1  
PCT-US02-04432-10  
Sequence 10, Application PC/TUS0204432  
GENERAL INFORMATION:  
APPLICANT: Ronald C. Montelaro  
TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES  
FILE REFERENCE: A34001-PCT / 072396.0223  
CURRENT APPLICATION NUMBER: PCT/US02/04432  
NUMBER OF SEQ ID NOS: 12  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 10  
LENGTH: 24  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Artificial peptide derived from HIV-1  
PCT-US02-04432-10

Query Match 100.0%; Score 130; DB 1; Length 24;  
Best Local Similarity 100.0%; Pred. No. 3.9e-09;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Db 1 RRMVRRVRRVRRVRRVRRVRR 24  
1 RRMVRRVRRVRRVRRVRRVRR 24

```
RESULT 2
PCT-US02-04812-10
; Sequence 10, Application PC/TUS0204812
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04812
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04812-10
Query Match          100.0%; Score 130; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 3.9e-09;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRVVRRVRRVRRVRRVRRVRR 24
Db 1 RRVVRRVRRVRRVRRVRRVRR 24

RESULT 3
US-09-785-058-10
; Sequence 10, Application US/09785058
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A 34001 / 072396.0222
; CURRENT APPLICATION NUMBER: US/09/785, 058
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-058-10
Query Match          100.0%; Score 130; DB 21; Length 24;
Best Local Similarity 100.0%; Pred. No. 3.9e-09;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRVVRRVRRVRRVRRVRRVRR 24
Db 1 RRVVRRVRRVRRVRRVRRVRR 24

RESULT 4
US-09-785-059-10
; Sequence 10, Application US/09785059
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A33577 / 072396.0217
; CURRENT APPLICATION NUMBER: US/09/785, 059
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 24
; TYPE: PRT
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-059-10
Query Match          100.0%; Score 130; DB 21; Length 24;
Best Local Similarity 100.0%; Pred. No. 3.9e-09;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRVVRRVRRVRRVRRVRRVRR 24
Db 1 RRVVRRVRRVRRVRRVRRVRR 24

RESULT 5
US-10-079-075-10
; Sequence 10, Application US/10079075
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-A / 072396.0222
; CURRENT APPLICATION NUMBER: US/10/079,075
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-10-079-075-10
Query Match          100.0%; Score 130; DB 24; Length 24;
Best Local Similarity 100.0%; Pred. No. 3.9e-09;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRVVRRVRRVRRVRRVRRVRR 24
Db 1 RRVVRRVRRVRRVRRVRRVRR 24

RESULT 6
PCT-US02-04432-11
; Sequence 11, Application PC/TUS0204432
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04432
; CURRENT FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04432-11
Query Match          100.0%; Score 130; DB 1; Length 36;
Best Local Similarity 100.0%; Pred. No. 5.8e-09;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRVVRRVRRVRRVRRVRRVRR 24
Db 13 RRVVRRVRRVRRVRRVRRVRR 36

RESULT 7
```

```
PCT-US02-04812-11
; Sequence 11, Application PC/TUS0204812
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Mletzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04812
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04812-11

Query Match          100.0%; Score 130; DB 1; Length 36;
Best Local Similarity 100.0%; Pred. No. 5.8e-09;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVRRVRRVRRVRRVRRVRR 24
    |||
DB 13 RRVRRVRRVRRVRRVRRVRR 36

RESULT 8
US-09-785-058-11
; Sequence 11, Application US/09785058
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Mletzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001 / 072396.0222
; CURRENT APPLICATION NUMBER: US/09/785,058
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-058-11

Query Match          100.0%; Score 130; DB 21; Length 36;
Best Local Similarity 100.0%; Pred. No. 5.8e-09;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVRRVRRVRRVRRVRRVRR 24
    |||
DB 13 RRVRRVRRVRRVRRVRRVRR 36

RESULT 9
US-09-785-059-11
; Sequence 11, Application US/09785059
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Mletzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A33577 / 072396.0217
; CURRENT APPLICATION NUMBER: US/09/785,059
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
```

```
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-059-11

Query Match          100.0%; Score 130; DB 21; Length 36;
Best Local Similarity 100.0%; Pred. No. 5.8e-09;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVRRVRRVRRVRRVRRVRR 24
    |||
DB 13 RRVRRVRRVRRVRRVRRVRR 36

RESULT 10
US-10-079-075-11
; Sequence 11, Application US/10079075
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Mletzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-A / 072396.0222
; CURRENT APPLICATION NUMBER: US/10/079,075
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 11
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-10-079-075-11

Query Match          100.0%; Score 130; DB 24; Length 36;
Best Local Similarity 100.0%; Pred. No. 5.8e-09;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVRRVRRVRRVRRVRRVRR 24
    |||
DB 13 RRVRRVRRVRRVRRVRRVRR 36

RESULT 11
PCT-US02-04432-12
; Sequence 12, Application PC/TUS0204432
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Mletzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04432
; CURRENT FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 48
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: artificial peptides derived from HIV-1
PCT-US02-04432-12

Query Match          100.0%; Score 130; DB 1; Length 48;
Best Local Similarity 100.0%; Pred. No. 7.6e-09;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVRRVRRVRRVRRVRRVRR 24
    |||
DB 7 RRVRRVRRVRRVRRVRRVRR 30

RESULT 12
PCT-US02-04812-12
```

```
; Sequence 12, Application PC/TUS0204812
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04812
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 48
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: artificial peptides derived from HIV-1
PCT-US02-04812-12
```

```
Query Match          100.0%; Score 130; DB 1; Length 48;
Best Local Similarity 100.0%; Pred. No. 7.6e-09;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 RRMVRRVRRVRRVRRVRRVRR 24
Db 7 RRMVRRVRRVRRVRRVRRVRR 30
```

## RESULT 13

```
US-09-785-058-12
; Sequence 12, Application US/09785058
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A 34001 / 072396.0222
; CURRENT APPLICATION NUMBER: US/09/785,058
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 48
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: artificial peptides derived from HIV-1
US-09-785-058-12
```

```
Query Match          100.0%; Score 130; DB 21; Length 48;
Best Local Similarity 100.0%; Pred. No. 7.6e-09;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 RRMVRRVRRVRRVRRVRRVRR 24
Db 7 RRMVRRVRRVRRVRRVRRVRR 30
```

## RESULT 14

```
US-09-785-059-12
; Sequence 12, Application US/09785059
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A33577 / 072396.0217
; CURRENT APPLICATION NUMBER: US/09/785,059
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 48
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
```

```
; OTHER INFORMATION: artificial peptides derived from HIV-1
US-09-785-059-12
```

```
Query Match          100.0%; Score 130; DB 21; Length 48;
Best Local Similarity 100.0%; Pred. No. 7.6e-09;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 RRMVRRVRRVRRVRRVRRVRR 24
Db 7 RRMVRRVRRVRRVRRVRRVRR 30
```

## RESULT 15

```
US-10-079-075-12
; Sequence 12, Application US/10079075
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-A / 072396.0222
; CURRENT APPLICATION NUMBER: US/10/079,075
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 48
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: artificial peptides derived from HIV-1
US-10-079-075-12
```

```
Query Match          100.0%; Score 130; DB 24; Length 48;
Best Local Similarity 100.0%; Pred. No. 7.6e-09;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 RRMVRRVRRVRRVRRVRRVRR 24
Db 7 RRMVRRVRRVRRVRRVRRVRR 30
```

```
Search completed: June 9, 2003, 13:07:21
Job time : 117.532 secs
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